

Amendments to the Specification:

Please replace paragraph [0010] with the following amended paragraph:

[0010] Referring to Figure 1, the regulated gas supply 100 of the present invention is illustrated. The regulated gas supply 100 is a miniature and self-contained apparatus. In particular, the regulated gas supply 100 includes a body 1, such as a housing or a cartridge, preferably surrounding containing a pressurized gas reservoir 4 and a regulating assembly 20, although the gas reservoir 4 may be external to the body 1. The regulating assembly 20 includes a piston 3 having a piston flange 3a and a spring 5 that are housed in a piston chamber 6. The piston chamber 6 includes a chamber seat 6a and an uppermost surface 6b opposite said chamber seat 6a, with a chamber wall 6c connecting said chamber seat 6a and uppermost surface 6b. The spring 5 is positioned between the piston flange 3a and the chamber seat 6a. The force of the spring 5 will tend to push the piston 3 away from the chamber seat 6a, thereby allowing gas to flow from inlet passage 8 to piston channel 10, and then out of the body through gas outlet 2.

Please replace paragraph [0011] with the following amended paragraph:

[0011] Comparing Figures 1 and 2, as the pressure in the gas outlet 2 increases, pressure will also increase[[s]] in an upper cavity 11 of the piston chamber 6. As the pressure in the upper cavity 11 increases, a force develops on the piston 3 proportional to the pressure in the upper cavity 11. This pressure in the upper cavity 11 counteracts the force of the spring 5, and when the pressure is great enough, the piston 3 will be forced against the seat 6a (see Figure 2). When the piston 3 abuts the chamber seat 6a, piston channel 10 within the piston 3 will abut the body

1, thereby preventing further gas flow from the gas reservoir 4. Furthermore, the piston chamber 6 containing the spring 5 is vented to the atmosphere through vent aperture 7, thus maintaining a constant relationship between regulated pressure and atmospheric pressure.

Please replace paragraph [0013] with the following amended paragraph:

[0013] It is foreseen that the present self-contained regulated gas supply 100 can be used in multiple designs of pneumatically operated devices that require a portable supply of pressurized gas at constant pressure for convenient operation of the particular device. In one embodiment, the regulated gas supply 100 could be used with firearm simulators 30, such as the one illustrated in Figure 3. In this embodiment, the regulated gas supply 100 is able to provide the necessary gas at the desired pressure level such that the release of the gas at gas outlet 2 will control the simulated force of the firearm 30 being shot, and it may further provide the necessary force to lock the firearm from further operation. While one embodiment of the regulating assembly 20 is connected to the gas reservoir 4 within the body 1, it is additionally foreseen that the regulating assembly 20 may be connected to a gas supply not found within the body 1. For example, the regulating assembly 20 may be connected to an external carbon dioxide tank, thereby regulating the gas supplied to the firearm simulator 30 or other device.